

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11B17/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/019526 A1 (TAKEDA KUNIO) 6 September 2001 (2001-09-06) the whole document	1,3
A	US 5 164 934 A (KASE MASAO ET AL) 17 November 1992 (1992-11-17) abstract	1,3
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16, 8 May 2001 (2001-05-08) - & JP 2001 021307 A (MITSUMI ELECTRIC CO LTD), 26 January 2001 (2001-01-26) abstract	1,3

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\* & \* document member of the same patent family

Date of the actual completion of the international search

26 August 2004

Date of mailing of the international search report

03/09/2004

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

IB2004/051009

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2001019526	A1	06-09-2001	JP	2001216702 A	10-08-2001
			WO	0157865 A1	09-08-2001
			EP	1169704 A1	09-01-2002
			TW	504681 B	01-10-2002
US 5164934	A	17-11-1992	JP	2728303 B2	18-03-1998
			JP	3189956 A	19-08-1991
			US	5210725 A	11-05-1993
JP 2001021307	A	26-01-2001	US	6687075 B1	03-02-2004